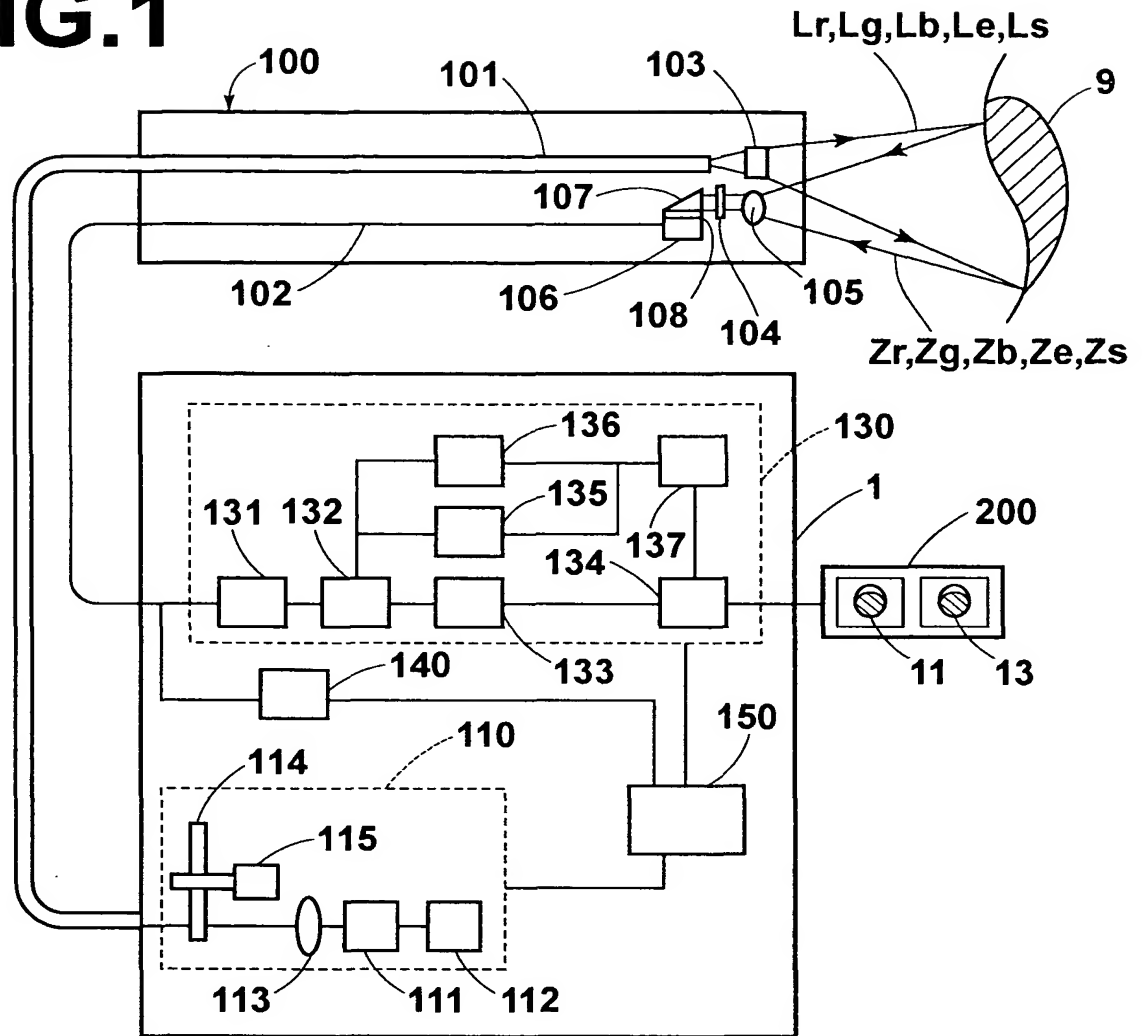
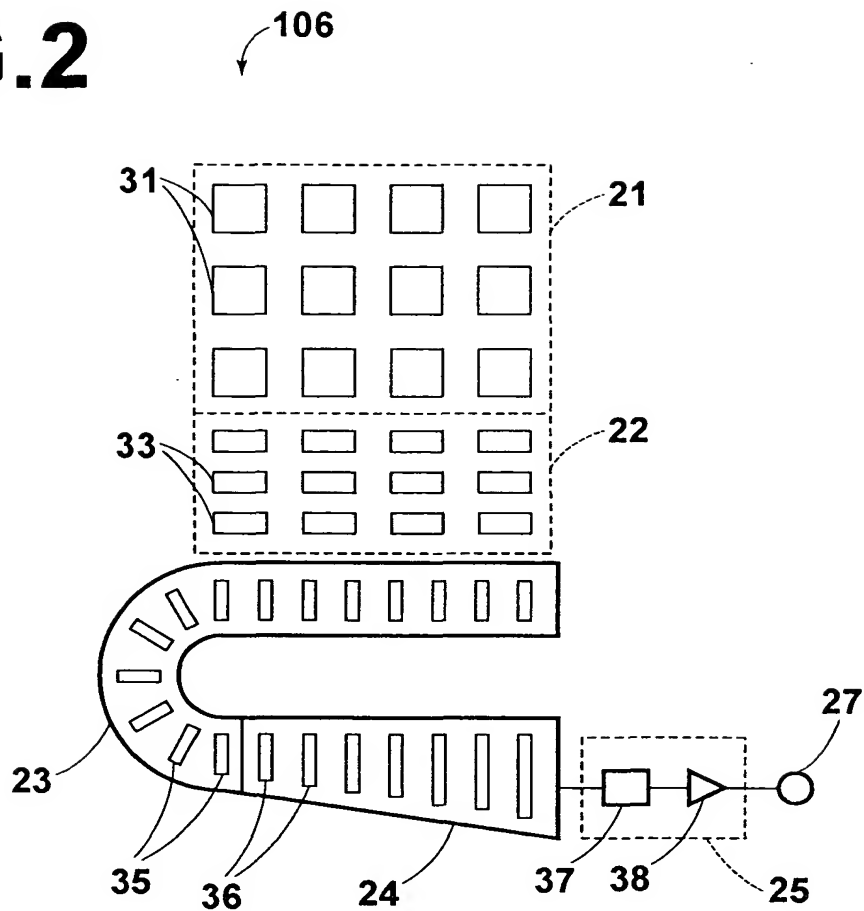
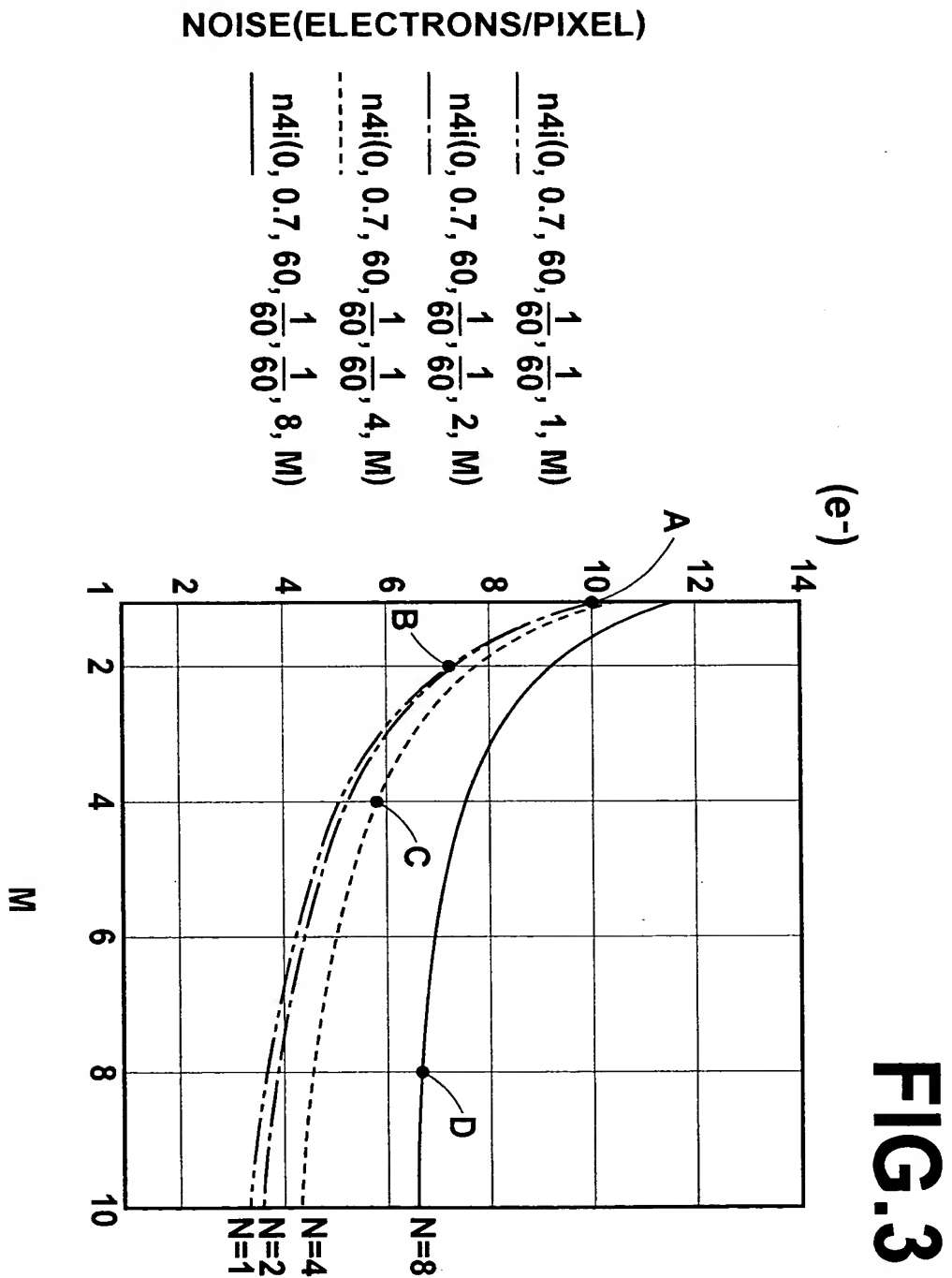
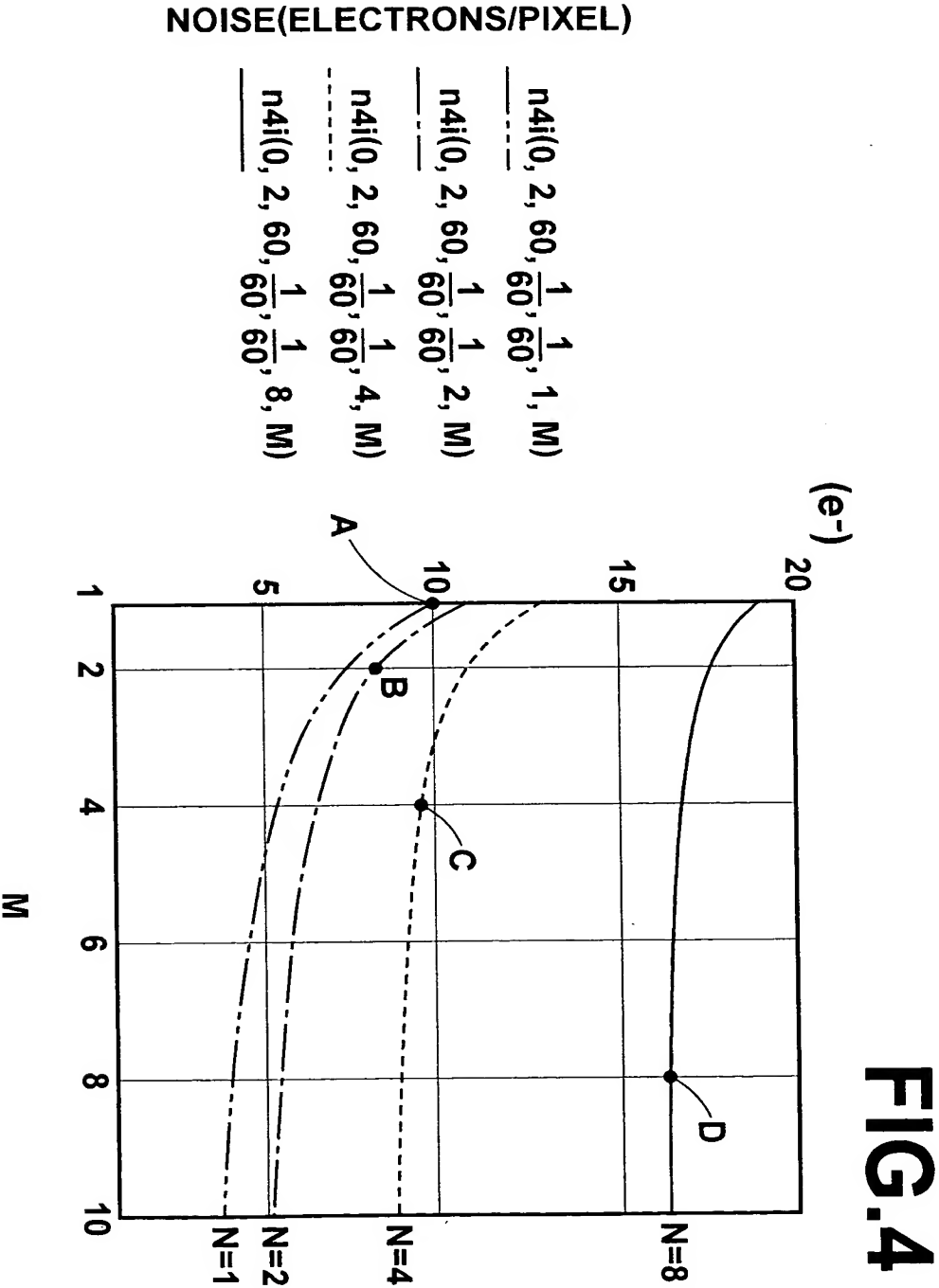


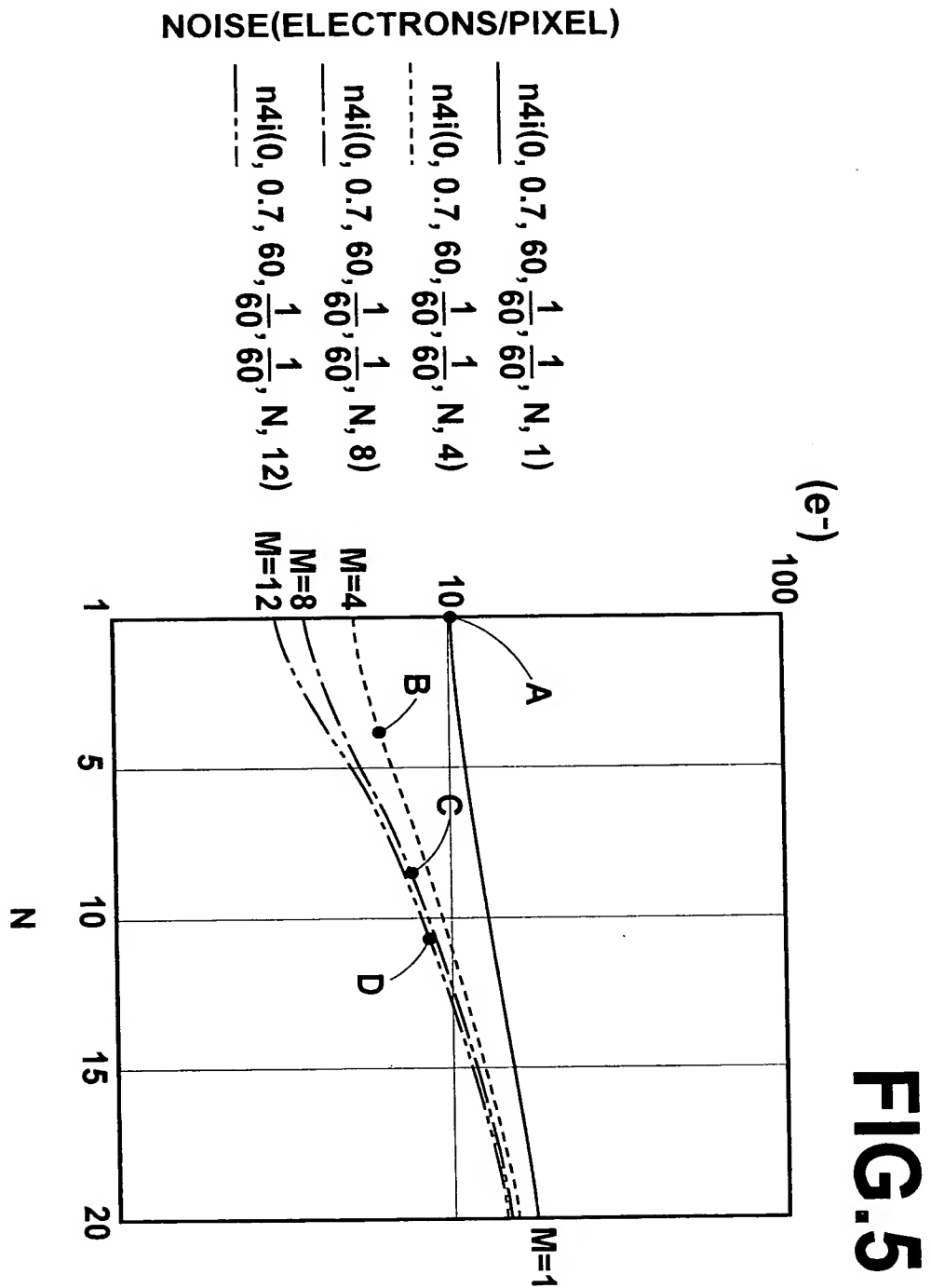
**FIG.1**

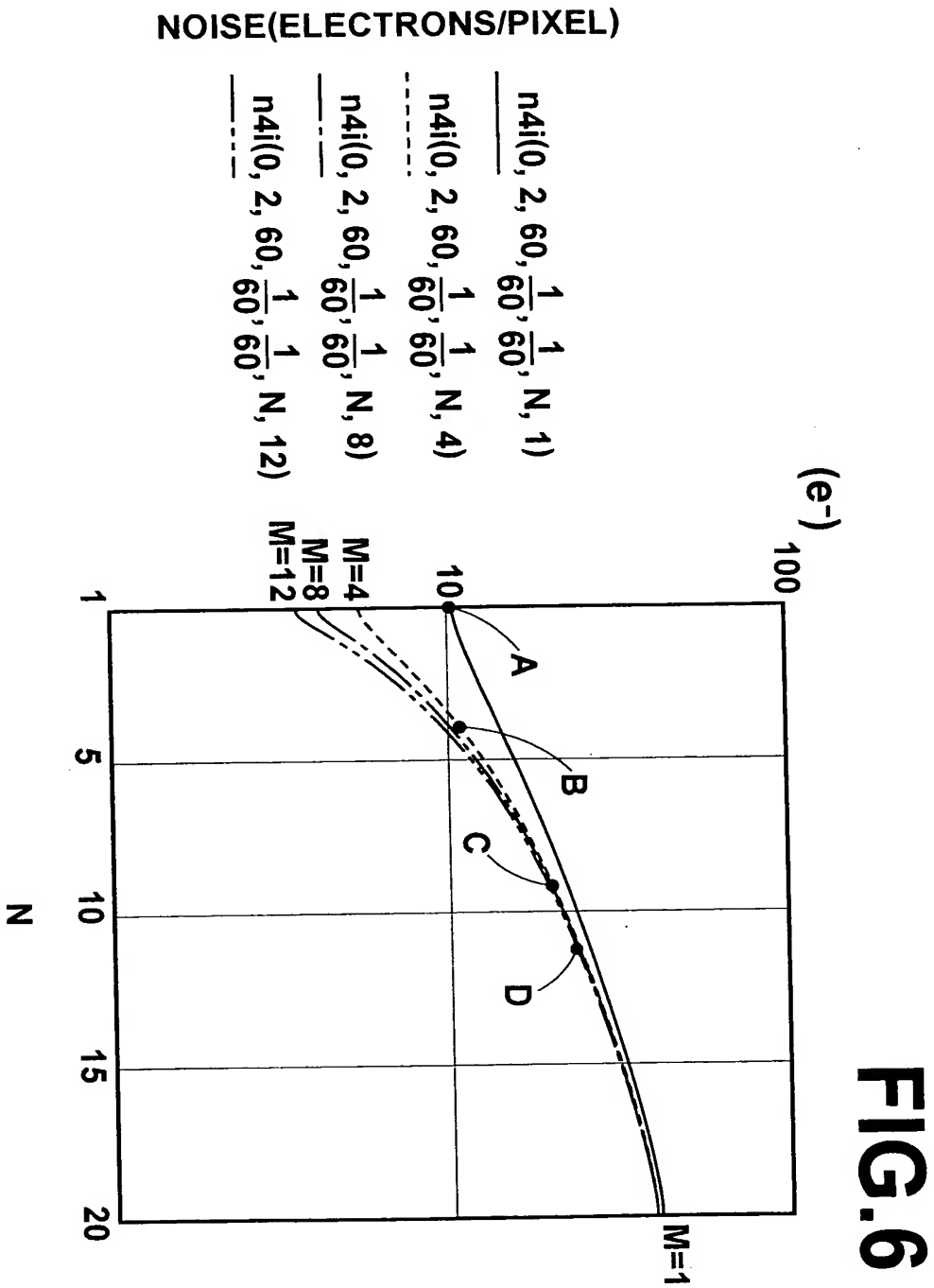
# FIG.2



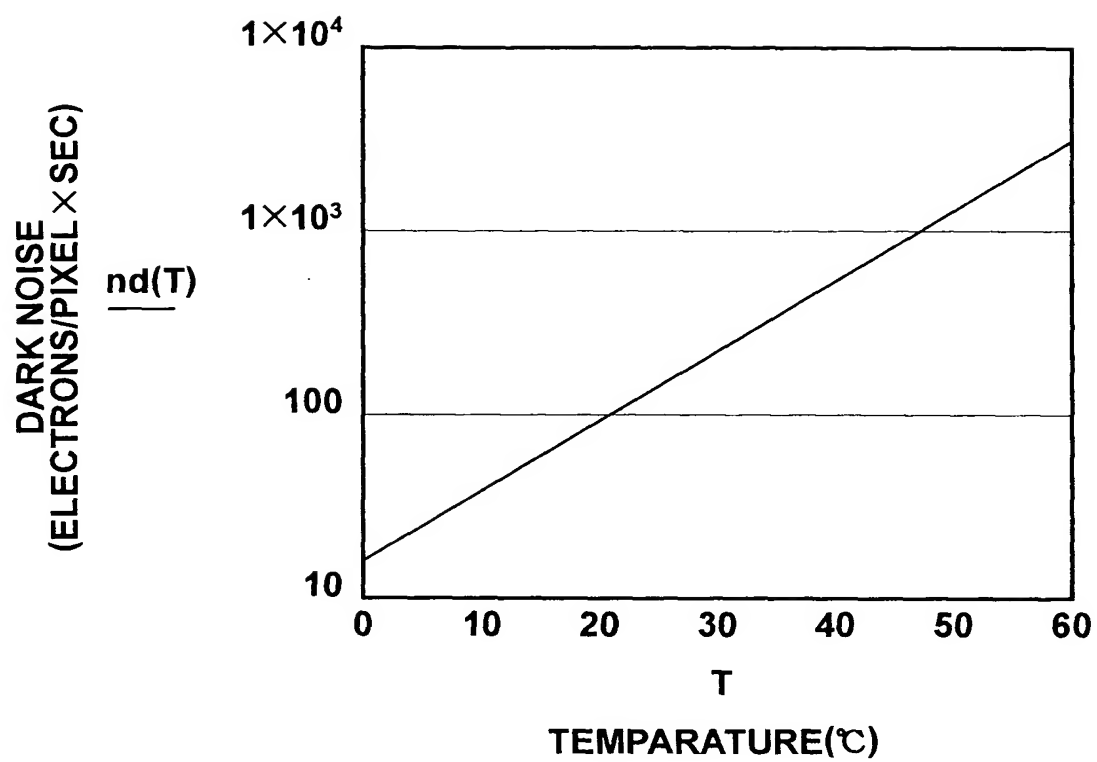








# FIG.7



NOISE(ELECTRONS/PIXEL)

$$\begin{aligned} & \text{-----} n5i(0, 12, 60, \frac{1}{60}, \frac{1}{60}, M) \\ & \text{-----} n5i(0, 8, 60, \frac{1}{60}, \frac{1}{60}, M) \\ & \text{-----} n5i(0, 4, 60, \frac{1}{60}, \frac{1}{60}, M) \\ & \text{-----} n5i(0, 2, 60, \frac{1}{60}, \frac{1}{60}, M) \\ & \text{-----} n5i(0, 0.7, 60, \frac{1}{60}, \frac{1}{60}, M) \end{aligned}$$

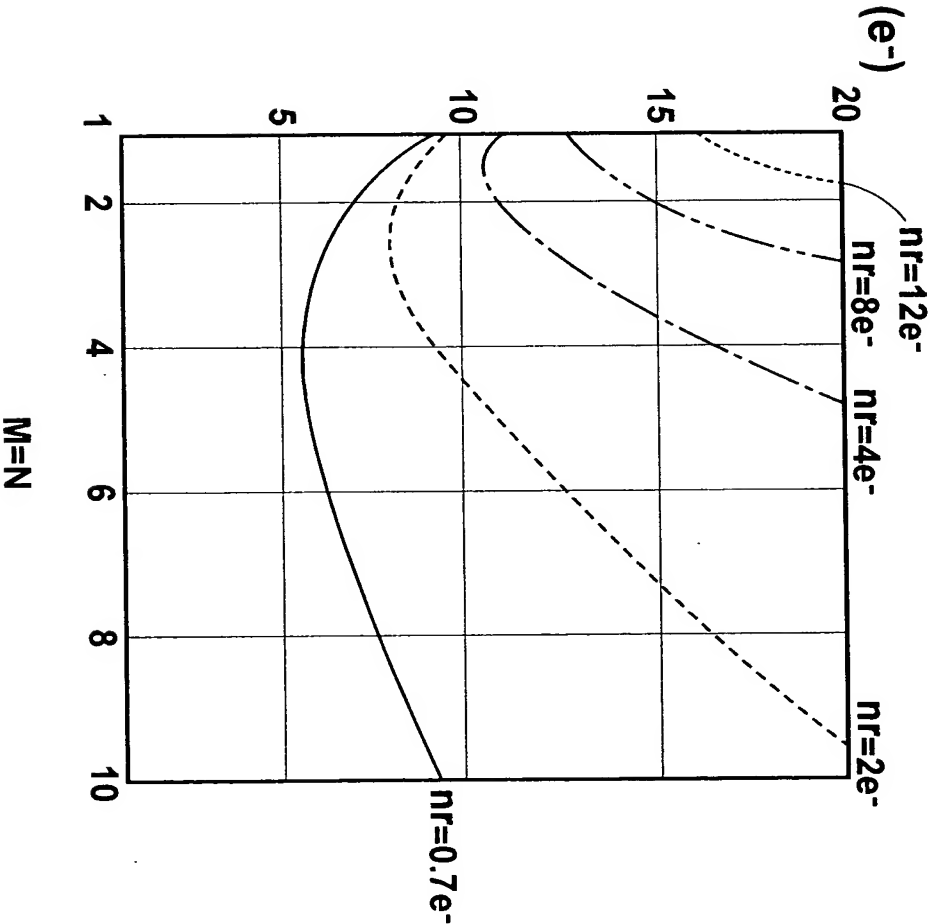
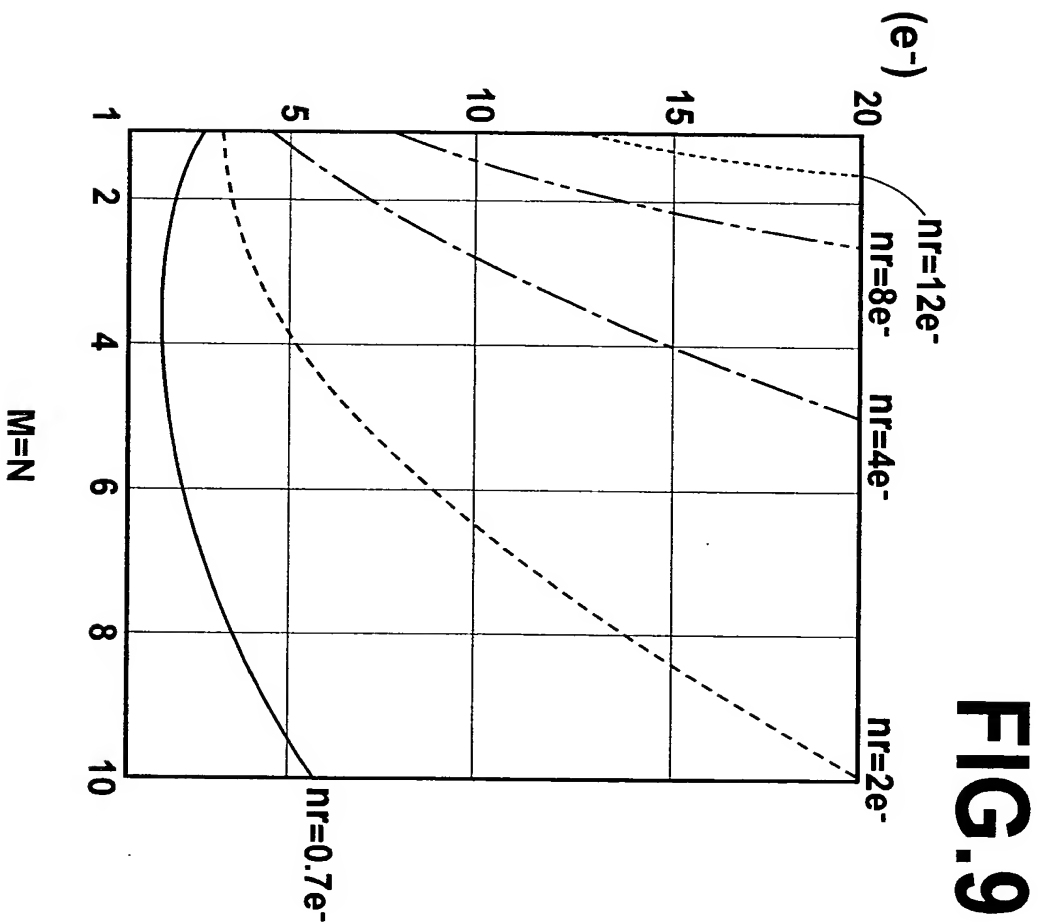


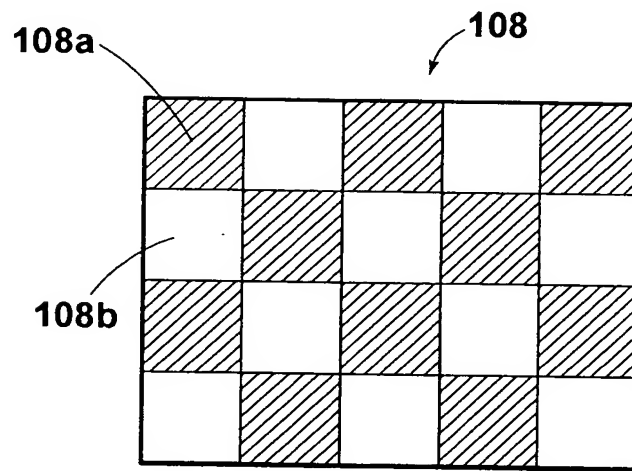
FIG.8

NOISE(ELECTRONS/PIXEL)

$n5i(0, 12, 30, \frac{1}{60}, \frac{1}{60}, M)$   
 $n5i(0, 8, 30, \frac{1}{60}, \frac{1}{60}, M)$   
 $n5i(0, 4, 30, \frac{1}{60}, \frac{1}{60}, M)$   
 $n5i(0, 2, 30, \frac{1}{60}, \frac{1}{60}, M)$   
 $n5i(0, 0.7, 30, \frac{1}{60}, \frac{1}{60}, M)$



# FIG.10



# FIG.11

